

# AMENDMENTS TO THE SPECIFICATION

Without prejudice, please amend the disclosure as below:

✓ Paragraph beginning at line 28 of page 7:

A  
The transmitter 12 includes a transmission buffer 22 for queuing forward data packets 18 prior to transmission. The volume of forward data packets 18 are that is transmitted from the transmission buffer 22 is determined by a sliding window called a "congestion window" maintained by a processor at the transmitter and operating on the transmission buffer 22. Each time a transmitted forward data packet 18 is acknowledged by the receiver 16, the congestion window advances, permitting the transmitter 12 to transmit a new forward data packet 18 onto the network 10. The size of the congestion window determines the volume of forward data packets 18 transmitted from the transmitter 12.

✓ Paragraph beginning at line 4 of page 16:

A2  
Block 76 directs the processor circuit 50 to act as a current arrival volume filter to obtain a new current arrival volume estimate  $\hat{M}(n)$   $M(n)$  from the queue interface 48 and to time filter the current arrival volume  $\hat{M}(n)$  as a weighted sum of present and past arrival volumes, in this embodiment according to the equation  $M(n) = \Theta M(n-1) + (1-\Theta)\hat{M}(n)$   $M(n) = \Theta \hat{M}(n-1) + (1-\Theta)\hat{M}(n)$ , where  $\Theta$  is a weighting constant between 0 and 1, pre-programmable by a user to produce a filtered current arrival volume estimate. The use of the current arrival

3 Claims = 54  
3 Claims = 258